Lesson Plan #12—Math  
Title: Size vs. Volume  
Designed by: Michelle Johanson—SIU-EDC

Introduction:  
This lesson provides an opportunity to demonstrate how the size and shape of a container is relevant to the volume of liquid it can contain.

Objectives:  
In this lesson, students will:  
• understand that objects which appear to be the same size can hold different volumes

Session Time:  
45 minutes

Materials:  
• clear glass or plastic containers in various sizes and shapes

Methods:  
lecture, demonstration, discussion

Procedures:  
1) Ask students which jar they think will hold the most liquid  
2) Ask students which jar they think will hold the least liquid  
3) Ask students which jars they think will hold equal amounts of water  
4) Demonstrate and explain why some that appear to be larger may not hold as much as others that appear to be smaller.

Conclusion:  
Students better understand the concept of size vs. volume.

NOTE: This lesson was developed during the New Teacher Orientation Workshop on August 10, 2009 at John A. Logan College.